



# WELDON SPRING SITE REMEDIAL ACTION PROJECT

St. Charles County, Missouri

**Office:** Oak Ridge Operations Office

**Size:** 226 acres (0.4 square mile)

**NPL Status:** Quarry placed on the NPL on July 22, 1987 and Chemical Plant and Raffinate Pits placed on the NPL on March 13, 1989.

**Mission:** The Weldon Spring Site was developed by the U.S. Army for explosives production during World War II, and was operated by the Atomic Energy Commission from 1955 to 1966 as a uranium processing plant.

## **Overview of Environmental**

**Conditions:** Soil, surface water, ground-water, and building rubble contamination resulting from the handling and disposal of uranium ore concentrates and scrap.

**CERCLA/RCRA Remediation  
Funding in FY 98:** \$66,686,000

## **Progress in Reaching Interagency Agreement**

DOE and EPA Region VII entered into an FFA, signed on August 12, 1986. An amended FFA was signed on June 30, 1992.

## **Specific Cost Estimates and Budgetary Proposals Involved in Each Interagency Agreement**

Funds budgeted for environmental restoration under the FFA at the site total \$63.5 million of appropriated funding for FY 99 and \$52.0 million for FY 00 according to the request in the President's Budget.

## **Public Comments Regarding Interagency Agreements**

The public comment period for the FFA began on March 22, 1992, and remained open for 45 days. No comments were received during this period.

## **Progress in Conducting Remedial Investigations/ Feasibility Studies**

Initial work was started under a CERCLA/NEPA FFCA executed in 1986. Subsequently, the site was placed on the NPL in July 1987. The Weldon Spring Site project issued a work plan in August 1988 which presented the overall strategy for accomplishing remedial actions. That strategy included the development of an umbrella RI/FS for the Chemical Plant Area, an RI/FS for Quarry bulk wastes, an RI/FS for Quarry residuals, and several interim response actions. A need was subsequently identified to specifically address groundwater at the Chemical Plant Area through an additional RI/FS.

Major accomplishments in FY 98 included:

- Submitted the first Draft ROD for Quarry Residuals OU to EPA in June 1998, gaining final signatures in late September 1998.

### **Progress in Conducting Remedial Actions**

Remedial actions accomplished during FY 98 included:

- The construction of the chemical stabilization and solidification facility was completed in May 1998 and sludge treatment operation was begun; one hundred forty-thousand cubic yards of sludge were treated and placed in the disposal facility;
- As of September 1998, 41 million gallons of water were treated in FY 1998 and a cumulative total of 208 million gallons of water have been treated at the Quarry Water Treatment Plant and Site Water Treatment Plant;
- Completed the remediation of the Southeast Drainage Vicinity Property and Missouri Department of Conservation Properties 3, 4, 5, 10;
- Initiated waste placement in the On Site Disposal Facility in March 1998, and placed 640 thousand cubic yds. of waste;
- Completed remediation of Army Vicinity Properties 1, 2, 3, 5; and
- Completed consolidation of sludge in Raffinate Pit 4 and began in situ treatment for waste disposal.